

**APPLICATION OF GOLD SNAILS LIQUID ORGANIC FERTILIZER AND
THE ADDITION OF ORGANIC PLANTING MEDIA TO THE GROWTH
AND YIELD OF PURPLE EGGPLANT (*Solanum melongena* L.)**

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ABSTRACT

The purpose of research was to examine the effect of gold snail LOF and organic planting media on eggplant growth and yield. The research is a field experiment prepared with RAKL. The first factor in the gold snail LOF is 40 ml/L, 80 ml/L, and 120 ml/L. The second factor is the addition of planting media namely 20 kg/plot sawdust, 20 kg/plot cocopeat, and 20 kg/plot husk charcoal. Data were analyzed using ANOVA 5% level and further tested using DMRT 5% level and orthogonal contrast test. The results showed that there was a real difference between the treatment of gold snail POC and the of planting media with control treatment on the number of leaves aged 14 DAP, the number of fruits per plant, fruit weight per plant, fruit weight per plot, and fruit weight per hectare. The best combination in the treatment of 80 ml/L gold snail LOF with the of 20 kg/plot cocopeat planting media to the parameter of 42 DAP leaf count and the best combination in the treatment of 120 ml/L gold snail LOF with the of 20 kg/plot husk charcoal planting media to 35 DAP age stem diameter parameters. The concentration of gold snails LOF 40 ml / L shows the value of dry weight of plants that are heavier than the concentration of gold snails LOF 80 ml/L. The addition of planting media cocopeat 20 kg/plot and sawdust 20 kg/plot shows better results on the parameters dry weight of plants.

Keyword : *Gold Snails Liquid Organic Fertilizer, Growing Media, Purple Eggplant*